☐ DELETE   ☐ NEW   ☐ REPLACE   ☐ CORRECTION

NTIS COMPUTER PRODUCTS CATALOG DATA SHEET	1. ACCESSION NO.	2. CONTRIBUTING AGENCY REPORT NO. DOD/DF-81/002	3. SUBJECT

4. PRODUCT (circle one)

DATA FILE   PUBLICATION

DATA BASE REFERENCE SERVICE   SOFTWARE   MODEL, SIMULATION

5. AGENCY, BUREAU, DIVISION, AND ADDRESS

Department of the Navy
Training Analysis and Evaluation Group
Orlando, FL 32813

6. PRODUCT NAME (Use agency nomenclature)

ACQUISITION COST ESTIMATING USING SIMULATION

7. DESCRIPTORS OF PRODUCT (Keywords, identifiers, etc.)

*Software,
Cost Estimating
Simulation

DTIC
ELECT
JAN 1 3 1981
A

8. DATES OF COVERAGE (For one-time reports, use as-of-date; for software, use date and release no.)	**9. FILE SIZE IN NO. OF:**
1978	REELS ⌊_|_1⌋ PUNCHED CARDS ⌊_|_|_|_|_|_⌋

10. AVAILABILITY STATEMENT - AGENCY NAME AND ADDRESS, ORDER NO., ETC. (If NTIS sells, leave blank)

11. PRICE INFORMATION

$210.00 NAC, code T03.   Price includes documentation AD-A015624

12. GEOGRAPHIC SCOPE

N/A

13. TECHNICAL REPRESENTATIVES (List at least one for subject and one for media)

NAME	TITLE	PHONE NO.
William F. Parrish, Jr.		305-646-5673

14. DOCUMENTATION

[X] AVAILABLE as

EXPECTED AVAILABILITY DATE

15. COMPUTER PRODUCT ABSTRACT

Acquisition cost estimates developed as single point values are, at best, misleading and, at worst, impossible to achieve. Single point estimates do not sufficiently reflect the assumptions, judgment or apprehensions of the estimator. This program deals with a technique for incorporating uncertainty and risk into the acquisition cost estimating procedure such that the estimates are presented as a range of values, encompassing engineering, manufacturing and logistic support estimates. The cost estimating model, a pragmatic application of simulation and classical cost estimating procedures, has been programmed in BASIC and is generalizable and exportable. ...Software Description: The program is written in the BASIC programming language for implementation on a WANG 2200 computer using the Basic 2, Release 2.1, operating system. 32K bytes of core storage are required to operate the model.

16. DATA FILE TECHNICAL DESCRIPTION

Source tape is in __ASCII__ character set. Character set restricts preparation to 9 track, one-half inch tape only. Identify recording mode by specifying density only. Call NTIS Computer Products, if you have any questions.

17. SOFTWARE TECHNICAL DESCRIPTION

Software is written in;

Fortran _____ COBOL _____ Basic __X__ Assembly _____ Other (Specify) _____

Software requires;

CPR Mfr. __WANG__ Model(s) __2200__ Operating system(s) __Basic 2, Rel. 2.1__

Minimum of __32__ K bytes core. The following special features and/or additional requirements in hardware:

_____

SIGNATURE OF AGENCY REPRESENTATIVE, PHONE NO., AND DATE	SIGNATURE OF NTIS REPRESENTATIVE AND DATE FORM PREPARED
	November 12, 1980

FORM NTIS-231 (REV. 8-74)   BACK   USCOMM-DC 8411-P74

Date _14 Nov. 1980_ NTIS Control # _319132_

TO: Defense Technical Information
         Center - DTIC
         Cameron Station
         Alexandria, Virginia 22314

FROM: NTIS, Input Branch
         5285 Port Royal Road
         Springfield, Virginia 22161

Report # _DoD-DF-81-002_   ADA # _A093689_

Title: _"Acquisition Cost Estimating Using-"_

Subject report is /⊐ Standard Process /⊐ STG report. STG - Special
Technology Group.   ☒ Computer Product /⊐ Follow up date_____

/⊐ The report will be accessioned by DDC. The form noting the ADA number
   is returned.

/⊐ The report has been assigned the ADA number noted above and is <u>returned</u>
   to NTIS for processing.

/⊐ DDC will not process the report. It is returned to NTIS

Mag Tape Price _210.00_
PC & MF Price _____   Source _DoDN_

Stock Quantity _____   Source Share _____

Comments:

Dottie Adams
procurer

_____
Signature (for billing)

Copy when completed to
Finance Branch

DOD Report Action Request
(Replaces NTIS-164 5-72)

Please return this form to NTIS-Input
attn: Dottie Adams

INSTRUCTIONS FOR COMPLETING NTIS FORM 231
NTIS COMPUTER PRODUCTS CATALOG DATA SHEET

1. **ACCESSION NO.** Leave blank (for catalog reference).

2. **CONTRIBUTING AGENCY REPORT NO.** (If different from NTIS Accession No.) enter agency reference No. if available. e.g. "Paper No. 17; Report No. 967BA; Reference No. 589".

3. **SUBJECT** (Subject Category Code). Leave blank.

4. **PRODUCT.** Circle appropriate name.

5. **AGENCY, BUREAU, DIVISION, AND ADDRESS.** List hierarchally and give complete address. Use current federal organization manual.

6. **PRODUCT NAME.** Should describe product and subject.

7. **DESCRIPTORS OF PRODUCT.** Use words which identify the major concept of research and are sufficiently specific to be used as index entries for cataloging (terms from TEST or NTIS Business Thesaurus).

8. **DATES OF COVERAGE.** Term of data file (June '62 - June '70) or date of issue, preparation and release No. (software).

9. **FILE SIZE.** Enter number of reels of tape or number of punched cards, as appropriate. For Data Base Reference and Publications, leave blank.

10. **AVAILABILITY STATEMENT.** Information complete enough to allow ordering (purchase) of tape or cards, or how to obtain information from data base.

11. **PRICE INFORMATION.** Enter unit price per reel, card deck, search, program, issue or subscription.

12. **GEOGRAPHIC SCOPE.** Geocoding should specify geographic level and definition; such as, U.S., state, county, SMSA, tract, etc.

13. **TECHNICAL REPRESENTATIVES.** For subject: statistician, economist or program analyst. For media: compiler of file, programmer, EDP technician.

14. **DOCUMENTATION:** If available, check box; if not available enter date of availability.

15. **ABSTRACT.** Include a brief (200 words or less) factual summary of the most significant information describing the product. List such things as purpose; scope and coverage including data limitations, source documents (if significant) and publications produced by the product.

16. **DATA FILE TECHNICAL DESCRIPTION.** Enter relevant data. This entry is applicable only to data files.

17. **SOFTWARE TECHNICAL DESCRIPTION.** Special features and additional hardware requirements refers to those needed in addition to that necessary for the operating system. An example might be a plotter if the software requires it. Another might be a special print chain.

COMPUTER MAGNETIC TAPE FILE PROPERTIES

01. Completion Date	02. Form Prepared By *(Name and Phone)*	03. Reel ID Number *(Property Control No.)*
Year 8 0 / Month 0 9 / Day 1 1	William F. Parrish, Jr., 305-646-4609	25JHA999

04. Recording Date	05. File Identifier or Descriptive Title	06. Short Title *(External Label Name)*
Year 8 0 / Month 0 9 / Day 1 0	Acquisition Cost Estimating Using Simulation ACES – Source Program (BASIC 2)	ACES

07. Source Unavailable	08. Documentation	09. File Position on Reel
Year 8 2 / Month 1 0 / Day 0 1	Yes / No X Available *(Enter Citation)*	1 of 1

10. To Be Returned	11. Submitting Organization & Address	12. Receiving Organization & Address
Yes X / No — To Other Than The Sender	Department of the Navy ATTN: Bill Parrish TAEG Orlando, FL 32813	

13. Due Back Date
Year 8 0 / Month 0 9 / Day 3 0

14. Technical Contact(s) & Phone Number(s)

Bill Parrish, 305-646-4609

RECORDING SYSTEM CHARACTERISTICS

EQUIPMENT MANUFACTURER AND MODEL	15. Processing Unit WANG 2200 VP-16	17. No. of Tracks			18. Parity		19. Density *(BPI)*
		7	9	Other	Odd	Even	
	16. Tape Subsystem WANG 2209		X		X		800

RECORDING SOFTWARE	20. Operating System, Release & Version BASIC-2, Release 2.2	22. Internal File Identifier None
	21. Utility Program or Data Base Language In-House Utility	

23. Characters Set *(Graphics)*	24. Recorded Label *(Internal Label)*
☒ ASCII ☐ BCD ☐ Other *(Specify)* ☐ EBCDIC ☐ FIELDATA ☐ Non-Print Codes	☐ Header ☐ ANSI X 3.27 Standard ☐ Other ☐ Trailer ☐ FIPS Standard ☒ None

FILE CHARACTERISTICS

NUMBER OF RECORDS	25. Physical 101	27. Record Type	28. Records/Block *(Blocking Factor)*	TYPE OF FILE ORGANIZATION *(Check One Box)*
	26. Logical 172	☐ Fixed Length ☒ Other Than Fixed	Variable	☒ One File One Reel ☐ One File Multiple Reels ☐ Multiple Files One Reel ☐ Multiple Files Multiple Reels

RECORD LENGTH	30. Physical 80 ☒ Bytes ☐ Chars. ☐ Words (Bits/Word)
	31. Logical Variable ☐ Bytes ☒ Chars. ☐ Words (Bits/Word)

SUPPLEMENTAL INFORMATION

32. Use/Handling Constraints *(Specify if Yes)*

Yes	No
	X

33. For Submitting Organization Use

All numbered lines except the first line are preceeded by a hexidecimal '0000'. Hexidecimal '00' should treated as a null character.

GENERAL:

The purpose of this form is to facilitate the interchange of recorded magnetic tape. This form is not intended to replace other subject matter/content documentation. If elements of documentation are available, they should be attached, or their location should be indicated in Item 8. Examples are: description of the record and/or file content; file layout; record format; record sequence; file type (data, bibliographic, source or object program; "as of" date; period of coverage; record names; file function; location and number of tape marks; character set; padding character information; last block conventions; special (record/file) separation (marks/characters); end of file or end of reel conventions (other than standard labels); and characteristics peculiar to the operating system or the practices of the generating agency. See FIPS PUB 20 for a discussion of the elements of file documentation for information interchange.

A separate form should be completed for each file.

01. **Completion Date.** Enter the date this form was prepared.

02. **Form Prepared By.** Enter the name and phone number (including area code) of the individual who prepared this form.

03. **Reel I.D. Number.** Enter the number which uniquely identifies this reel. It, generally, will be a property control number for the submitting organization. If the file is recorded on multiple reels, enter the first reel number in this item and list all others, in sequence, in Item 33. This information is used to identify the tape reels transmitted.

04. **Recording Date.** Enter the date the reels identified in Item 3 were recorded (copied).

05. **File Identifier or Descriptive Title.** Enter the name used to identify the file. If it is a generally known file, use the name by which it is commonly known. If it is not generally known, make the title as descriptive as possible.

06. **Short Title.** Enter the commonly used abbreviation or acronym which identifies the file. This will usually be the file identification written on the external (gummed) reel label.

07. **Source Unavailable.** Enter the date when your organization will no longer be able to supply a copy of this file.

08. **Documentation Available.** Enter an "X" in the appropriate box. If documentation is available, but is not being forwarded to the recipient as part of this transaction, provide in this space a bibliographic citation or mailing address.

09. **File Position on Reel.** If this is the first or only file on the reel, enter a "1". If the reel contains multiple files, enter the file's position number on the reel. See Item 29.

10. **To Be Returned.** Enter an "X" in the appropriate box. If the file is to be returned to an organization other than the sender, enter an "X" in "to other than sender", fill in Item 13, and enter the appropriate address in Item 33; or include a completed mailing label, and enter instructions for return in Item 33.

11. **Submitting Organization and Address.** Identify the sending organization. Fill in complete mailing address, including street, city, state, and zip code of the sending organization.

12. **Receiving Organization and Address.** Identify the receiving organization. Fill in complete mailing address, including street, city, state, and zip code. If possible, include the name of the individual who is expecting the file.

13. **Due Back Date.** Enter the date the file is expected to be returned, if the "Yes" box was checked in Item 10.

14. **Technical Contact(s) and Phone Number(s).** Enter person(s) or office(s) to be contacted for clarification and further information concerning the tape reel contents. Include telephone area code. Provide the organization name and mailing address (in Item 33), if different from that in Item 11.

RECORDING SYSTEM CHARACTERISTICS

EQUIPMENT MANUFACTURER AND MODEL

15. **Processing Unit.** Enter the manufacturer's name and model number of the computer used (or emulated) to record the data.

16. **Tape Sub System.** Enter the manufacturer's name and model number of the tape drive used (or emulated) to record the data.

17. **Number of Tracks.** Enter an "X" in the appropriate box. If "Other" is checked, enter the number of tracks in Item 33.

18. **Parity.** Enter an "X" in the appropriate box.

19. **Density.** Enter the number of bits recorded per inch (e.g.: 200,556,800,1600,6250 BPI). For those unusual cases where "characters per inch" must be used, explain in Item 33.

RECORDING SOFTWARE

20. **Operating System, Release and Version.** Identify the system software used to record this tape.

21. **Utility Program or Data Base Language.** Enter the name of the utility program used to copy the tape or the data base language used to create it. Identify the release and/or level.

22. **Internal File Identifier.** If there is a recorded label, enter the file identification (e.g., Data Set Name) used in the label.

23. **Character Set (Graphics).** Place an "X" in all appropriate boxes. If "Other" and/or "non-print codes" are checked, describe briefly in Item 33 and supply appropriate documentation. If nonprinting formats (such as packed decimal or three-bytes-in-four-characters) are used, specify in Item 33 and include documentation.

24. **Recorded Label (Internal Label).** Enter an "X" in all appropriate boxes. If "Other" is checked, include documentation of the label(s).

FILE CHARACTERISTICS

NUMBER OF RECORDS

25. **Physical.** Enter the number of physical records (blocks) in the file. This number is normally supplied by utility programs which copy physical records without regard to the logical structure of the tape. Labels are not included in this count.

26. **Logical.** Enter the number of logical records in the file. This number is usually supplied by the program which created the file. Labels are not included in this count.

27. **Record Type.** Enter an "X" in the appropriate box. If "Other" is checked, provide documentation on how physical and logical record length control is established.

28. **Records/Block (Blocking Factor).** If "fixed length" is checked in Item 27, enter the blocking factor.

29. **Type of File Organization.** Enter an "X" in the appropriate box. If this form accompanies a single reel of tape which contains a single file, check "one file, one reel". If this form accompanies several reels of tape which contain a single file, check "one file, multiple reels". If this form is one of several which accompany a single reel of tape containing several files, check "multiple files, one reel". Finally, if this form accompanies several reels of tape which contain several files, check "multiple files, multiple reels" and describe this file's position in the file set in Item 33.

RECORD LENGTH

If the record is not fixed length, enter the maximum size record length, and describe techniques used to control and indicate size in Item 33. Enter an "X" in the appropriate box to indicate the unit of measurement. If size is indicated in number of words, also enter the word size as "bits per word"

30. **Physical.** Enter the physical record length (block size).

31. **Logical.** Enter the logical record length.

SUPPLEMENTAL INFORMATION

32. **Use/Handling Constraints.** If the data in this file is subject to National Security classification, Atomic Energy Act classification, any Privacy Act constraints, Reproduction constraints, etc., enter an "X" in the "Yes" box. If "Yes" has been checked, indicate the security level and procedures to be followed.

33. **For Submitting Organization Use.** This area is provided for use of the organization submitting this form. It may contain any additional information useful to the recipient of the file. If information is entered here as a result of checks in other item numbers, the information should be identified by the corresponding item number. Use additional pages, if necessary.